

CLAIMS

WHAT IS CLAIMED IS:

[1] A disk apparatus comprising

a stationary frame as a stationary side, and

a floating unit which is disposed in said stationary frame through elastic component, and which has a function to record data on and/or reproduce the data from a disk-shaped recording medium inserted into said disk apparatus, wherein

said floating unit includes

a disk-carrying means which carries said disk-shaped recording medium inserted from a disk insertion/extraction port formed on said stationary frame,

a disk-clamping means which clamps said disk-shaped recording medium at a recording/reproducing position,

a disk recording/reproducing-driving means which rotates said disk-shaped recording medium to record the data on or reproduce the data from said disk-shaped recording medium,

an electric circuit board having an electric circuit which controls the driving of said disk-carrying means, said disk-clamping means and said disk recording/reproducing-driving means, and

disk insertion-detecting levers which are disposed in

the proximity of said disk insertion/extraction port, and which are pressed down and rotated by the outer edge of said inserted disk-shaped recording medium, so as to directly drive a switch which outputs a disk detection signal to said electric circuit.

[2] A disk apparatus as recited in claim 1, wherein said disk insertion-detecting levers are disposed in the proximity of both sides of said disk insertion/extraction port, and wherein each of said disk insertion-detecting levers has a blade-shaped part which is spread to both sides and is a little raised at its both ends, and a projection which presses the switch of said electric circuit board, when said disk insertion-detecting lever is rotated.

[3] A disk apparatus as recited in claim 1 or 2, wherein an ejection-detecting lever is disposed in the proximity of said disk insertion-detecting lever, and is pressed down and rotated by the outer edge of said disk-shaped recording medium, so as to output, to said electric circuit, a signal which indicates the detection of the ejection of said disk-shaped recording medium.